

Main

Range of product	OsiSense XU
Series name	Application material handling
Electronic sensor type	Photo-electric sensor
Sensor name	XUV
Sensor design	Frame
Detection system	Thru beam
Emission	Infrared
Way dimensions of optical frame	200 x 180 mm
Material	Metal
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	M12 1 male connector, 4 pins
Product specific application	Dynamic detection of passage of objects Static detection of passage of objects
Minimum object diameter for detection	Dynamic mode: 0.16 in (4 mm) (0.33...49.21 ft/s (0.1...15 m/s)) Static mode: 0.24 in (6 mm)

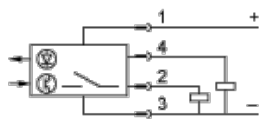
Complementary

Enclosure material	Painted aluminium
Lens material	Altuglass
Type of output signal	Discrete
Output type	Solid state
Add on output	With alarm output
Status LED	1 LED (red) alarm 1 LED (amber) output state
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	18...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	> 5000 Hz
Voltage drop	< 2 V (closed state)
Current consumption	<= 150 mA (no-load)
Time delay range	0...5 s off-delay delay
Delay first up	<= 100 ms
Delay recovery	< 0.1 ms
Setting-up	Sensitivity adjustment with potentiometer
Depth	0.98 in (25 mm)
Height	9.06 in (230 mm)
Width	10.43 in (265 mm)
Product weight	2.65 lb(US) (1.2 kg)

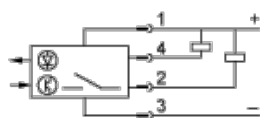
Environment

product certifications	CE CULus
ambient air temperature for operation	32...140 °F (0...60 °C)
ambient air temperature for storage	-4...176 °F (-20...80 °C)
immunity to ambient light	<= 10000 lux with sunlight

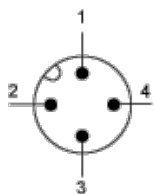
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NPN Output



Connector Scheme



- 1 : +
- 2 : Not connected
- 3 : -
- 4 : Output